

Table 2. Examples of metric suites used for analysis of macroinvertebrate assemblages

[EPT, Ephemeroptera/Plecoptera/Trichoptera. Metrics in Idaho, Oregon, and Washington are currently under evaluation]

Alternative benthic metrics	Invertebrate community index ¹	Rapid bioassessment protocols ²	Rapid bioassessment protocols ³	Rapid bioassessment protocols ⁴			Benthic index of biotic integrity ⁵
				Idaho	Oregon	Washington	
1. Total number of taxa	X	X	X	X	X	X	X
Percentage of change in total taxa richness.				X	X	X	
2. Number of EPT taxa.....	X	X		X	X	X	
Number of mayfly taxa	X						X
Number of caddisfly taxa.....	X						X
Number of stonefly taxa							X
Missing taxa (EPT)				X			
3. Number of Diptera taxa	X				X		X
Number of Chironomidae taxa							
4. Number of intolerant snail and mussel species.							X
5. Ratio of EPT/Chironomidae abundance....					X	X	X
Indicator assemblage index				X	X	X	
Percentage of EPT taxa					X		
Percentage of mayfly composition	X						
Percentage of caddisfly composition	X						
6. Percentage of tribe Tanytarsini.....	X						
7. Percentage of other Diptera and noninsect composition.	X						
8. Percentage of tolerant organisms	X						
Percentage of <i>Corbicula</i> composition							X
Percentage of Oligochaete composition							X
Ratio of Hydropsychidae/Trichoptera		X				X	
9. Percentage of individuals—dominant taxon..		X			X	X	X
Percentage of individuals/two dominant taxa.							X
Five dominant taxa in common	X	X			X		
Common taxa index.....		X					X
10. Indicator groups					X		X
11. Percentage of individuals omnivores and scavengers.							X
12. Percentage of individuals collector gatherers and filterers.							X
Percentage of individuals filterers				X		X	
13. Percentage of individuals grazers and scrapers.				X			X
Ratio of scrapers/filterer collectors					X	X	
Ratio of scrapers/scrapers plus filterer collectors.		X					